



**Massachusetts Bay  
Transportation Authority**

**Commuter Rail North Side Automatic Train  
Control Design Professional Services**

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Fiscal and Management Control Board

June 21, 2021

Karen Antion

# Project Overview

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- Design, Installation, Testing and Commissioning of an Automatic Trail Control (ATC) signal system on the Commuter Rail North Side
- Existing contract with Hitachi through May 2022 to meet an FRA deadline of December 2022
- ATC requires rework and retesting of PTC after implementation



# Project Status

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- Change Order #21 was awarded to System Integration Contract 42-14 (X60CN01) with Hitachi Rail STS (formerly Ansaldo STS) on July 18, 2019 for \$253,000,000.
- Amount and complexity of the work has led to unanticipated schedule challenges, along with COVID-related supply chain issues causing delays to materials and services
- Work completed to date:
  - Fitchburg Line between Littleton and Boston- Completed in May 2021
  - Lowell Line to be completed by end of June 2021
- Anticipate that engineering services to complete this work through project closeout will be required through June 2023

# Base Project Support Contract with Hatch LTK

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- Hatch LTK (formerly LTK Engineering Services), the engineering support consultant for the ATC Program, was awarded contract L60PS01 on June 04, 2018 for \$8,750,000.
  - Original contract independent cost estimate was for \$10,313,666.
  - Amount to authorize under this action is \$6,391,611.05.
  - Time extension through June 30, 2023.
  - Contract includes cost and time for engineering support and technical services for the ATC Program.

# Contract Action

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- Hatch LTK will continue to provide the following additional engineering and technical support under contract L60PS01, Amendment No. 1:
  - Engineering support to evaluate Hitachi design including technical review, cost evaluations, and revisions of submittals
  - Engineering services to support ATC system integration, quality assurance, and testing and commissioning on the MBTA commuter rail network
  - Engineering support for root cause analysis of ongoing issues with FRA type-approved equipment and software

# Request of the Fiscal and Management Control Board

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## VOTED:

To authorize the MBTA General Manager and CEO, or his designee, to award and execute Amendment No. 1 as part of MBTA Contract No. L60PS01, in a form approved by the General Counsel, with Hatch LTK, for an amount not to exceed \$6,391,611.05, with a completion date on or before June 30, 2023.

